

## State Water Resources Control Board

### UST CASE CLOSURE SUMMARY

#### Agency Information

Current Agency Name: State Water Resources Control Board (State Water Board)	Address: 1001 I Street, P.O. Box 2231 Sacramento, CA 95812
Current Agency Caseworker: Mr. Matthew Cohen	Case No.: N/A
Former Agency Name: Los Angeles County Department of Public Works (Prior to 7/1/2013)	Address: 900 South Fremont Avenue Alhambra, CA 91803
Former Agency Caseworker: Mr. John Awujo	Case No.: 005728-005938

#### Case Information

USTCF Claim No.: None	Global ID: T10000000553
Site Name: Las Virgenes MWD	Site Address: 4232 Las Virgenes Road Calabasas, CA 91302 (Site)
Responsible Party: Las Virgenes Municipal Water District (MWD) Attention: Ms. Lindsay Cao	Address: 4232 Las Virgenes Road Calabasas, CA 91302
USTCF Expenditures to Date: N/A	Number of Years Case Open: 8

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000000553](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000553)

#### Summary

The Low-Threat Underground Storage Tank Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy.

The release at the Site was discovered when one UST and associated product piping were removed from the Site in August 2005. Soil samples from beneath the remaining product dispensers indicated concentrations of petroleum constituents in soil at approximately 2 feet below ground surface (bgs). In September 2007 a second piping upgrade did not identify petroleum constituents above laboratory reporting limits in soil samples from 3 feet bgs. In January 2009 a Phase II investigation did not identify petroleum constituents above laboratory reporting limits in soil samples from 5 to 40 feet bgs. The Site serves as an operating fueling facility for Las Virgenes MWD vehicles.

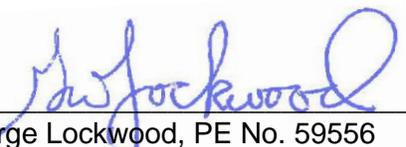
Groundwater was not encountered during the investigation; however, regional groundwater depth is estimated to be approximately 700 feet bgs. Perched groundwater may be present as shallow as 20 feet bgs. The nearest public supply well is greater than 1,000 feet from the Site and the nearest surface water body is approximately 800 feet from the Site. Additional corrective action will not likely change the conceptual site model. Any remaining petroleum constituents do not pose significant risk to human health, safety, or the environment.

### Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. There do not appear to be sufficient mobile constituents (leachate, vapors, or light non-aqueous phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXCEPTION**. The Site has an active fueling area. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION (3) a**. Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in Table 1. The estimated naphthalene concentrations are less than the thresholds in Table 1 of the Policy for direct contact. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2% benzene and 0.25% naphthalene. Therefore, benzene concentrations can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 of the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

### Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, and the environment, and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control, and the applicable water quality control plan, and case closure is recommended.

  
\_\_\_\_\_  
George Lockwood, PE No. 59556  
Senior Water Resource Control Engineer

4/18/14  
\_\_\_\_\_  
Date

